Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Sunday 30 Jul 2023 until 23:59 on Monday 31 Jul 2023

Forecast Issued on Saturday 29 Jul 2023 at 17:10

Confidence: High confidence for unsettled conditions continuing. Lower for details of rain and cloud, particularly early thunderstorms Sunday and for the timing and extent of rain later Sunday and again on Tuesday.

Headline for Sunday 30 Jul 2023: Showery morning with heavy, potentially thundery, downpours. Briefly brighter in the afternoon with showers fading. Then thick cloud and heavy rain arrives from the west. Blustery.

Mountain weather hazards on Sunday 30 Jul 2023

Blizzards
No Likelihood

Gales
Low Likelihood

Thunderstorms
Low Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
No Likelihood

Heavy persistent rain
Medium Likelihood

Storm force winds
No Likelihood

Poor visibility
Medium Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 600m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Dull	Thundery showers (night)	Heavy rain showers	Heavy rain showers	Light rain showers	Light rain	Heavy Rain	Heavy Rain
Precipitation probability							
10%	60%	60%	60%	30%	40%	80%	90%

Forecast for Sunday 30 Jul 2023

Weather: Cloud building through the early hours with scattered showers likely, these turning locally heavy with a risk of thundery downpours. One or two sunny spells developing through the afternoon, but these will be short-lived with cloud then thickening from the southwest ahead of a band of rain arriving. This rain will be persistent, turning heavy at times. Risk of gales in exposure, especially higher routes in the west including Ingleborough.

Chance of cloud-free hill tops above 600m: 40%, increasing to 70% late morning. Reducing from the west from mid-afternoon to 20%.

Low Cloud and visibility: Cloud bases of around 400-500m initially, mainly across the west of the Dales and in association with heavy showers. Cloud bases lifting above the hills by the afternoon with some breaks developing, perhaps lowering to cover higher hills in showers. Cloud thickening from the southwest from mid-afternoon, becoming widespread with bases around 300-400m by the evening, perhaps remaining above 600m in the northeast until late on. Visibility poor in early showers and thunderstorms but and moderate in lighter showers early afternoon. Visibility then good for a time before deteriorating to poor or very poor in rain later.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Forecast for Sunday 30 Jul 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	19/26 SW	22/31 SW	24/34 W	28/40 W	27/38 W	23/33 W	17/23 SW	11/15 SW	12/17 S
300	10/24 SW	14/30 W	18/35 W	19/37 W	19/36 W	17/34 W	9/19 SW	4/10 S	6/14 S
Valley	9/24 SW	11/27 SW	13/29 W	17/34 W	17/33 W	15/29 W	8/17 SW	4/11 SE	6/15 S

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	10/7	9/5	9/5	10/6	11/7	11/7	10/7	11/8	12/10
300	13/11	12/9	12/8	13/9	14/10	14/11	12/11	12/12	13/13
Valley	14/12	13/11	13/11	14/11	15/12	16/13	14/13	14/13	14/14
Freezing Level*	2000m	2000m	1900m	2100m	2200m	2200m	2800m	2900m	3000m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

A few watercourses may become swollen and surfaces slippery given morning showers and thunderstorms and late rain. Conditions deteriorating widely from mid-afternoon with extensive low cloud and heavy rain. Gusts in excess of 40mph will give difficult walking conditions on higher routes with a risk of being blown off balance. Elevated UV levels in any breaks, particularly towards the eastern Dales.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Sat 29 Jul 2023	1mm	1.4mm	21mm

Forecast for Monday 31 Jul 2023

Weather: Overnight rain and widespread low cloud is expected to gradually clear to the north Monday morning, giving way to bright spells and scattered showers. Showers may become more widespread Monday afternoon, perhaps turning locally heavy. Rain may return from the north through the evening to affect the Dales overnight.

Maximum wind: West or southwest 20-30mph, gusts of 30-40mph. Winds easing later.

Chance of cloud-free hill tops above 600m: 20% in the west and 40% in the east initially, slowly improving from the south to 70%. Lowering from the north to 30% late on.

Low Cloud and visibility: Extensive low cloud with bases around 300m through the morning, perhaps higher for a time in the east. Low cloud associated with the rain band is expected to lift clear of hills and break up by the afternoon. Bases may dip around showers to cover higher summits. Cloud bases may lower to 500m if rain arrives in the north later. Visibility poor or very poor in early rain, improving good or very good. Moderate to poor visibility in showers and late rain.

Temperature: **Valleys:** Plus 14 Celsius rising slightly to Plus 17 Celsius.
At 600m: Plus 12 Celsius.
Freezing level: Well above summits.

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